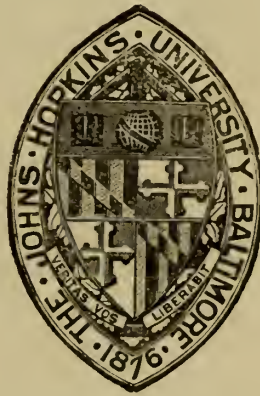


THE JOHNS HOPKINS UNIVERSITY
BALTIMORE

CONFERRING OF DEGREES

AT THE CLOSE OF THE FIFTIETH ACADEMIC YEAR

JUNE 8, 1926



IN THE LYRIC THEATRE

AT 4 P. M.

MARSHALS

Professor DAVID M. ROBINSON

Chief Marshal

Aids

Dr. R. T. ABERCROMBIE

Professor R. D. HAVENS

Professor F. D. MURNAGHAN

Professor F. E. BAMBERGER

Professor R. B. ROULSTON

Professor W. W. FORD

Professor G. L. HUNNER

ORDER OF EXERCISES

I

ACADEMIC PROCESSION

War March of the Priests from "Athalia"—*Mendelssohn*

II

INVOCATION

The Reverend WILLIAM H. EASTON

III

MUSIC

Andante Cantabile for String Orchestra—*Tschaikowsky*
(played by request)

IV

CONFERRING OF DEGREES

Bachelors of Arts, presented by Professor FRENCH
Bachelors of Engineering, presented by Dean WHITEHEAD
Bachelors of Science in Chemistry, presented by Dean WHITEHEAD
Bachelors of Science in Economics, presented by Professor HOLLANDER
Bachelors of Science, presented by Professor BUCHNER
Bachelors of Science in Hygiene, presented by Professor WELCH
Proficients in Public Health, presented by Professor WELCH
Masters of Civil Engineering, presented by Dean WHITEHEAD
Masters of Arts, presented by Professor MILLER
Doctors of Philosophy, presented by Professor MILLER
Doctors of Public Health, presented by Professor WELCH
Doctors of Science in Hygiene, presented by Professor WELCH
Doctors of Medicine, presented by Dean WEED

V

PRESENTATION OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

VI

MUSIC

Kamenoi-Ostrow (Cloister Scene)—*Rubinstein*
(arranged for orchestra by Ross Jungnickel)

VII

ANNOUNCEMENTS

THE PRESIDENT OF THE UNIVERSITY

VIII

MUSIC

"America"—*Arrangement by Gustav Strube*

IX

BENEDICTION

CANDIDATES FOR DEGREES

BACHELORS OF ARTS

ELLIS LAZARUS ARENSEN, of Maryland
LUDLOW HOPKINS BALDWIN, of Maryland
JOHN ARTHUR BALLS, of Canada
ALEXANDER LEWIS BASSIN, of Missouri
CARROLL MELCHERS BERNDT, of Maryland
LEON HANLINE BLOCK, of Maryland
ALBERT EMANUEL BLUMBERG, of West Virginia
HENRY AIRD BOSWELL, of New York
MORGAN MALLORY BUCHNER, of Maryland
EDWARD WHITE BUFFINGTON, of Maryland
ROBERT CHAMBERS, of Missouri
ALLAN MALCOLM CLEAVELAND, of Maryland
DON SNELL COLT, JR., of Maryland
PERCY EVANS COX, of Maryland
WILLIAM HIRST CURRY, JR., of Washington
WINSLOW MILTON DAVIES, of Pennsylvania
EDWARD HOLLISTER DAVIS, of Illinois . .
WILLIAM ALLEN DECKERT, of Maryland
JOHN EDWIN DESCH, of Maryland
WILLIAM LEROY DUNN, JR., of North Carolina
HOWARD TREVELYAN EASTON, of Maryland
ALBERT RISLEY ENSOR, of Maryland
WILLIAM TAFT FELDMAN, of Maryland
JOHN NORVILLE GIBSON FINLEY, of Maryland
RUBIN HYMAN FLOCKS, of Maryland
ARNOLD ROY FRANK, of Maryland
ABRAHAM GOLDFARB, of New Jersey
HAROLD SIMMS GOODWIN, of Maryland
HARRY JOSEPH GREEN, of Maryland
RENO SHEFFER HARP, JR., of Maryland
FRED WALTER HARTWICK, of Michigan
ROBERT EDMUND HEYN, of Maryland
LEON HARRIS HIRSH, of Wisconsin
ALGER HISS, of Maryland
BOWMAN JOYNER HOOD, of Maryland
ROBERT MELVIN HOPKINS, of Maryland
ROLLIN CARL HUDSON, of Maryland
HUGH JUDGE JEWETT, III, of Maryland
ARTHUR EDWIN JOHNSON, JR., of Michigan

LOUIS BERNARD ZIV, of Virginia

WILLIAM ANDREW KEESE, JR., of Maryland
OTHO JAMES KELLER, III, of Maryland
ABRAHAM KREMEN, of Maryland
LEON LACHMAN, of Maryland
JAMES CHANCELLOR LEONHART, of Maryland
PAUL MICHAEL LEVIN, of Maryland
KARL MINIFIE LEVY, of Maryland
SOLOMON LEVY, of Maryland
ENOCH HENRY LIGHT, of Ohio
PAUL FARADAY LOIZEAUX, of Maryland
AARON MARGALITH, of Palestine
ELLIS SOLOMAN MARGOLIN, of Maryland
JOHN WILLIAM MCCLEARY, of Maryland
CLARENCE LEROY MILLER, of Maryland
HARRY ARCHER MILLER, of Maryland
ARTHUR LEONIDAS NELSON, of Maryland
MILBERN CARROLL REED, of Maryland
MORRIS ROSENBERG, of Maryland
MORRIS ROSENFELD, of Maryland
ROLAND LEE SANSBURY, of Maryland
ROBERT TAYLOR SAUERWEIN, of Maryland
JACK JULIUS SCHERR, of Maryland
HERMANN OTTO SCHMIDT, of Maryland
JOEL ISAAC SEIDMAN, of Maryland
JEROME HERBERT SHAPIRO, of Maryland
JESSE SLINGLUFF, JR., of Maryland
REGINALD CLYDE SMITH, of Florida
GEORGE JOHN SNOOPS, JR., of Maryland
LUDWIG ADOLPH STAIB, JR., of Maryland
GORDON MALVERN STICK, of Maryland
ERNEST ALBERT STRATHMANN, of Maryland
THURSTON TAYLOR, of Maryland
HENRY RUTHERFORD TURNBULL, of Maryland
GERMAN A. DE VENECIA, of the Philippine Islands
RICHARD ERNEST VOLLRATH, of Maryland
RALPH GRISWOLD WALES, of Connecticut
CHARLES WASSERMAN, of Maryland
ARNOLD HERBERT WILLIAMS, of Pennsylvania
FRANCIS EUGENE WILLIAMS, of Maryland

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HONOR LIST

ALBERT EMANUEL BLUMBERG
RUBIN HYMAN FLOCKS
ALGER HISS
LEON LACHMAN

MORRIS ROSENFELD
JOEL ISAAC SEIDMAN
ERNEST ALBERT STRATHMANN
LOUIS BERNARD ZIV

BACHELORS OF ENGINEERING

JOSEPH LAMB APPLEBY, JR., of Maryland
 WILLIAM JAMES EDWARD APSLEY, of Maryland
 ROLLIN STUART BAILEY, of Maryland
 DONALD THEODORE BONNEY, of Pennsylvania
 WALLACE LEE BRAUN, of Maryland
 CARL AUGUST ALBERT BRUNNER, of Maryland
 RAYMOND WINTERNITZ COHEN, of Maryland
 HARVEY MILLS DAVIS, of Maryland
 JOHN VINCENT DEMPSEY, of Maryland
 KENNETH HAVERGAL DENNIS, of Maryland
 HARRY JOHN ENGEL, of Maryland
 BAYARD PINTARD FONDA, of Maryland
 CLARENCE CHRISTIAN FRANCK, of Maryland
 HOWARD ALBERT FREY, of Maryland
 ROBERT FERGUSON GARRETT, of Maryland
 MALCOLM RICKETTS GILPIN, JR., of Maryland
 MELVIN NEILSON GOUGH, of Maryland
 DAVID GRANOFF, of Maryland
 THEODORE NESTOR GRASER, JR., of Maryland
 HERBERT HOFFMAN, of Maryland
 CHARLES CHRISTOPHER HOMER, of Maryland
 HOLDEN RINGWALT HOUGHTON, of Maryland
 AUSTIN JENKINS KEEN, JR., of Maryland
 LOUIS BEHR KRAVETZ, of Maryland
 NEVIN OLIVER LAWYER, of Maryland

CLAIR LEE LEMMON, of Maryland
 THOMAS JOSEPH LOGAN, of Maryland
 GEORGE LOVE, of Maryland
 GEORGE EASTER MARLEY, of Maryland
 FRANK MICHAEL MEREDITH, of Maryland
 PAUL MIDDLEMAN, of Maryland
 JACK BROWN NANCE, of Maryland
 JOHN WILMER POTEET, JR., of Maryland
 JAMES JOHN PRIMUS, JR., of Maryland
 MATTHEW ROBERT PURVIS, of Maryland
 HARRIE BLANDFORD RASCH, JR., of Maryland
 MARSHALL EMORY REDDICK, JR., of Maryland
 LESLIE HARWOOD SCHOENHAAR, of Maryland
 AUGUST SCHOEFER, of Maryland
 DAVID PRUDEN SHAFER, of Maryland
 CHAUNCEY OLCOTT SIMPSON, of Maryland
 GREGORY NICHOLAS SLEZSKINSKY, of Russia
 JOHN CONRAD STAYLOR, of Maryland
 ARTHUR SWANSON, of Maryland
 ARTHUR EASTHAM THIESSEN, of the District of Columbia
 JAMES WILLIAM THOMAS, of Maryland
 RALPH HOLMES TOWNSEND, of Maryland
 MILLARD FRANKLIN WHEELER, of Maryland
 HULBERT YOUNG, JR., of Maryland
 WILLIAM NELSON YOUNG, of the District of Columbia

(50)

HONOR LIST

Civil Engineering
 HARRY JOHN ENGEL

Electrical Engineering
 GEORGE LOVE
 FRANK MICHAEL MEREDITH

Mechanical Engineering
 GEORGE EASTER MARLEY

BACHELORS OF SCIENCE IN CHEMISTRY

JAMES KENNETH DIXON, of Maryland
 WILLIAM AUGUST GERSTNYER, of Maryland
 JOSEPH GREENBERG, of Maryland

JOHN CROMWELL HOLTZ, of Maryland
 CARL KAPLAN, of Maryland
 JOHN LOUIS OBERSEIDER, of Maryland
 KENNETH HOOD SLAGLE, of Maryland

(7)

BACHELORS OF SCIENCE IN ECONOMICS

JOHN HENRY GILLIECE, of Maryland
 GEORGE ELMER GORSUCH, of Maryland
 CHARLES RIDGELY HOWARD, of Maryland

WILLIAM FALKNER HUNTER, of Maryland
 YENS HOLGER JENSEN, of Maryland
 JOHN JACKSON KIDD, JR., of Maryland
 JOHN WALKER TAYLOR, of Maryland

(7)

BACHELORS OF SCIENCE

HARRY HARRIS BATCHELOR, of Maryland
ANNA BERCOWITZ, of Maryland
RUTH HELEN CARMEL, of Maryland
IRENE MILLS CUDLIPP, of Maryland
CAROLINE HAYDEN, of Maryland
CHESTER HERBERT KATENKAMP, of Maryland
FLORENCE LEVINSON, of Maryland
IDA LEVINSON, of Maryland

MARIE GENEVIEVE MCGUINNESS, of Maryland
ANNIE GERTRUDE MELVIN, of Maryland
JULIA MOHRLEIN, of Maryland
GEORGE HARRY POWDER, of Maryland
VIOLA REED, of Maryland
GERTRUDE TYSON SHIPLEY, of Maryland
LOUISA AVONDALE WEEDON, of Maryland
FLORENCE WELLER, of Maryland

(16)

BACHELORS OF SCIENCE IN HYGIENE

ALICE EUNICE DREW, of the District of Columbia

MARY ELIZABETH TREMAINE HOTALING, of New York

(2)

RECIPIENTS OF CERTIFICATES IN PUBLIC HEALTH

ERIC CHRISTIAN GILLES, of Ceylon, L.R.C.P.S. Edinburgh
1924, L.R.F.P.S. Glasgow 1924, L.M.S. Ceylon Medical
College 1924
HARDIE ROGERS HAYS, of Mississippi, M.D. Memphis Hos-
pital Medical College 1906
JOSEPH PATRICK KANE, of Washington, M.D. University
of Minnesota 1905
HUBERT NOEL CONRAD VAN GEYZEL KELAART, of Ceylon,
L.M.S. Ceylon Medical College 1922, M.R.C.S. and
L.R.C.P. London 1924

ARPAD NAGY, of Hungary, M.D. Royal Hungarian Univer-
sity (Budapest) 1921
ARTHUR L. OILAR, of Indiana, M.D. Indiana University
1913
PAUL PARROT, of Canada, M.D. Laval University 1922
STANISLAW PIETRASZEWSKI, of Poland, M.D. University of
Warsaw 1924
STANISLAW TUBIASZ, of Poland, M.D. University of Jena
1913

(9)

MASTERS OF CIVIL ENGINEERING

EDWARD MARSHALL CRAIG, JR., of North Carolina, A.B.
Washington and Lee University 1914, A.B. Yale College
1916, S.B. Massachusetts Institute of Technology 1921.
Sanitary Engineering
The Development of the Rapid Sand Filter

CARL JOHN SPEER, JR., of Maryland, B.E. Johns Hopkins
University 1923. Sanitary Engineering
Sanitary Engineering Aspects of Shellfish Pollution

(2)

MASTERS OF ARTS

WITH TITLES OF ESSAYS

CHARLES EDWIN ADAMS, of Maryland, Ph.B. University of
Chicago 1914. Education
The Value of Short Answer Tests in the Teaching of
the Social Studies
CARL BOECKNER, of Maryland, S.B. in Chemistry Johns
Hopkins University 1924. Physics
Recent Studies in Band Spectra
HARRY LEE BOWEN, of Maryland, A.B. University of Vir-
ginia 1924. History
Anglo-German Relations 1898-1902

GRACE DOLORES BROENING, of Maryland, S.B. Johns Hop-
kins University 1924. Education
An Evaluation of Individualized Instruction in the
Junior High School—Experimentally Determined
CHARLES BORROMEIO CARROLL, of Maryland, A.B. St. Mary's
University 1923. Archaeology
Caves and their Ancient Uses
HAROLD WILLIAM CHALKLEY, of Maryland, Sc.B. Missis-
sippi Agricultural and Mechanical College 1924. Zoology
The Volume of Amoeba and Its Relation to the Con-
centration of Glycerol

- LEONARD BERTRAND CLARK, of Canada, A.B. University of Manitoba 1923. Zoology
The Seasonal Distribution and Biology of *Notonecta Undulata* in the Winnipeg (Canada) Region
- ✓ ETHEL COOPER, of Maryland, S.B. Johns Hopkins University 1922. Archaeology and Art
Praxiteles and His Influence
- HERBERT NEWELL COUCH, of Canada, A.B. University of Toronto 1924. Classical Archaeology
Sources for the Study of Sardis
- CYRIL WILLIAM DAWSON, of the District of Columbia, S.B. The Catholic University of America 1922. Physics
Recent Work in Extending the Range of Spectra
- Sister MARY GRATIA ENNIS, of Maryland, A.B. Fordham University 1922. Latin
Sacred Eclogues of René Rapin
- ✓ MARY TERESA GALLAGHER, of Maryland, S.B. Johns Hopkins University 1924. Classical Archaeology
The Representation of Armor in Hellenistic and Roman Sculpture
- WILLIAM CONRAD GUESS, of North Carolina, A.B. University of North Carolina 1911. History
The Bering Sea Fur Seals Arbitration
- MILDRED EDITH HILBERG, of Maryland, A.B. Goucher College 1923. Political Economy
Some Aspects of Public Welfare in Maryland
- CHARLES HAROLD HOWARD, of Pennsylvania, S.B. Gettysburg College 1923. Political Economy
Systems of Promotion and Tenure in Typical American Trade Unions
- JOSEPH KAPLAN, of Maryland, S.B. in Chemistry Johns Hopkins University 1924. Physics
Some Recent Advances in Spectroscopy
- EDGAR LEE KINSEY, of Maryland, S.B. in Chemistry Johns Hopkins University 1924. Physics
A Review of the Critical and Spectroscopic Phenomena of Molecular Hydrogen
- GRACE ELIZABETH LIPPY, of Maryland, A.B. Wilson College 1923. Zoology
The Vascular System of the Neck Region in the Rabbit, the Rat, the Muskrat, the Squirrel, and the Guinea Pig with Special Reference to the Left Pre-caval Vein
- Sister MARY COELINE LYONS, of Maryland, A.B. Fordham University 1923. Latin
The Latin Poems of Baldassare Castiglione
- ELIZABETH WRIGHT MITCHELL, of Maryland, A.B. Goucher College 1924. Political Economy
Causes of the Intake of the Henry Watson Children's Aid Society
- CORRILLA ELIZABETH NORTHCUTT, of the District of Columbia, S.B. in Education University of Missouri 1924, S.B. in Business and Public Administration 1925. Political Economy
Housing Standards among Unskilled Wage Earners in Baltimore
- HELEN REESE REESE, of Maryland, A.B. Wilson College 1924. French
The American Landscape in Two French Writers at the End of the Eighteenth Century
- ELLEN LUCRETIA RICHARDSON, of Missouri, A.B. Wellesley College 1919. Political Economy
The Shriners' Hospitals for Crippled Children
- DAVID MOSES SCHNEIDER, of Russia, E.E. University of Kieff 1921. Political Economy
The Workers' Party and the Machinists' Union
- EDWARD CHARLES SEITZ, of Maryland, A.B. Franklin and Marshall College 1903. Education
The Achievement in the State Normal School at Towson, Maryland by Graduates of Secondary Academic and Commercial Courses
- EUNICE BURR STEBBINS, of New York, A.B. Smith College 1916. Classical Archaeology
The Letters of Augustus Preserved in Greek Inscriptions and in the Greek Writers
- LIDA LEE THOMASON, of Maryland, S.B. Johns Hopkins University 1924. Education
Character Education for Citizenship
- GERALDINE KLINE WALKER, of Maryland, A.B. Goucher College 1922. Physics
Structure of Light
- JESSE HOWELL WEATHERBY, of Mississippi, S.B. Mississippi Agricultural and Mechanical College 1924. Zoology
The Function of the Contractile Vacuole in *Paramecium Candatum*; with Special Reference to the Excretion of Nitrogenous Compounds
- VERNON ELEAZER WHITMAN, of the District of Columbia, Sc.B. Massachusetts Institute of Technology 1922, Sc.M. 1924. Physics
Contact Potential and the Peltier Effect (30)

DOCTORS OF PHILOSOPHY

WITH TITLES OF DISSERTATIONS

- EARNEST WILLIAM ATKINS, of Texas, A.B. West Texas State Normal College 1920, A.M. University of North Carolina 1921. Psychology, Education, Applied Psychology
The Efficiency of the Eye under Different Intensities of Illumination
- PAUL WILLIAM BACHMAN, of Pennsylvania, S.B. in Chemistry Johns Hopkins University 1923. Chemistry, Physical Chemistry, Mathematics
Adsorption on Surfaces of Mercury
- MARTHA HELEN BARTON, of Maryland, A.B. Goucher College 1913, A.M. Johns Hopkins University 1922. Mathematics, Physics, Applied Mathematics
Some Applications of the Generalized Kronecker Symbol
- HERBERT BARTON BROOKS, of the District of Columbia, M.E. Ohio State University 1903. Electrical Engineering, Physics, Mathematics
The Electric Strength of Air between Concentric Cylinders, a New Determination with the Corona Voltmeter

- MURIEL WHITEBECK BROWN, of New York, A.B. Wellesley College 1915, A.M. Leland Stanford, Jr. University 1924. Psychology, Zoology, Mathematics
Continuous Reaction as a Measure of Attention
- ROLAND WILBUR BROWN, of Pennsylvania, S.B. Lafayette College 1917. Geology, Paleontology, Biology
Composition and Environment of the Green River Flora
- OWENS HAND BROWNE, of Maryland, S.B. North Carolina State College 1921. Chemistry, Physical Chemistry, Mathematics
Reactions of Lead Tetraethyl
- LENOIR HENDERSON BURNSIDE, of Georgia, A.B. LaGrange College 1911. Psychology, Zoology, Mathematics
Coordination in the Locomotion of Infants
- MARGARET MILLICENT CAREY, of Maryland, A.B. Bryn Mawr College 1920. English, French, Political Economy
The Wakefield Group in the Towneley Cycle
- SAMUEL GWYNN COE, of Virginia, A.B. Washington and Lee University 1909, A.M. 1916. History, Political Science, Political Economy
The Mission of William Carmichael to Spain
- JAMES EARL COPENHAVER, of Maryland, A.B. Emory and Henry College 1920, S.M. Vanderbilt University 1923. Organic Chemistry, Physical Chemistry, Mathematics
m-Diethylbenzene and Some of Its Derivatives
- WILLIAM HENRY CREW, of Illinois, United States Naval Academy 1922, A.M. Johns Hopkins University 1924. Physics, Applied Mathematics, Mathematics
An Effect of Light on the Electron Emission from Hot Filaments [March, 1926]
- ALFRED WILLIS DEARING, of the District of Columbia, S.B. Virginia Military Institute 1921. Chemistry, Physical Chemistry, Mathematics
Reactions of Ethyl Orthosilicate
- WINTHROP BULKLEY DILLINGHAM, of New Jersey, A.B. Williams College 1922. Chemistry, Physical Chemistry, Mathematics
I. S-Triethylbenzene and its Derivatives. II. The Effect of Silica Gel on Sulphur in Gasoline
- VIVIAN EZRA FISHER, of Idaho, A.B. University of Utah 1921, S.M. 1922. Psychology, Zoology, Applied Psychology
An Experimental Study of the Effects of Tobacco Smoking on Certain Psycho-Physical Functions
- DOROTHY GETZ, of Maryland, A.B. Goucher College 1917. Chemistry, Physical Chemistry, Mineralogy
I. A Study of the Decomposition of Nitrogen Pentoxide
II. A Study of Some Volumetric Standards
- CECIL JEROME HAGGERTY, of Massachusetts, A.B. Williams College 1923. Chemistry, Physical Chemistry, Bacteriology
Studies in the Electrical Properties of Silver Solutions
- FRANCES ADELIA HALLOCK, of New York, A.B. Mt. Holyoke College 1903, A.M. Columbia University 1915. Botany, Zoology, Bacteriology
The Relationship of Garrya: The Development of the Flowers and Seeds of Garrya and Its Bearing on the Phylogenetic Position of the Genus
- SUSAN EMOLYN HARMAN, of Maryland, Ed.B. Peru (Nebraska) State Teachers' College 1914, A.B. University of Nebraska 1917, A.M. 1918. English, Germanic, Philology, Psychology
A Lexicographical Study of the Gesta Romanorum
- WILLIAM SIMON HOFFMEISTER, of Maryland, A.B. Johns Hopkins University 1923. Geology, Paleontology, Zoology
The Molluscan Fauna of the Wilcox Group of Alabama
- WILLIAM STULL HOLT, of the District of Columbia, A.B. Cornell University 1920, A.M. George Washington University 1923. History, Political Science, Political Economy
Treaties Defeated by the Senate 1789-1901
- DWIGHT LUCIAN HOPKINS, of Virginia, S.B. and S.M. University of Virginia 1923. Zoology, Physical Chemistry, Organic Chemistry
The Relation between Water-Content and Locomotion in Amoeba Proteus
- HUI HSIEH, of China, S.B. Rutgers College 1922. Chemistry, Physical Chemistry, Mathematics
Studies in the Abnormal Viscosities of Lyophile Colloids
- ANNETTE IVES, of California, A.B. University of Southern California 1920, A.M. 1922. French, Italian, Spanish
La sensibilité esthétique d'Eugene Fromentin
- HARRIET DALE JOHNSON, of West Virginia, A.B. Denison University 1894. Latin, Greek, Ancient History
The Roman Tribunal
- MARY LYDSTON KILPATRICK, of Maryland, A.B. Radcliffe College 1920, A.M. Vassar College 1922. Chemistry, Physical Chemistry, Mathematics
The Catalytic Action of Dust
- RALPH CLIPMAN McDANEL, of Virginia, A.B. Richmond College 1916, A.M. Columbia University 1925. History, Political Science, Education
The Virginia Constitutional Convention of 1901-1902
- HARRY JOHN McNICHOLAS, of the District of Columbia, A.B. Ripon College 1915, A.M. Johns Hopkins University 1924. Physics, Applied Mathematics, Mathematics
On the Use of the Integrating Sphere in Reflectometry
- GEORGE SINCLAIR MITCHELL, of Virginia, A.B. University of Richmond 1923. Political Economy, Political Science, History
Textile Unionism in The South
- JAMES STEWART NAGLE, of Maryland, A.B. Dickinson College 1911. Education, History, Political Economy
The Educational Needs of the Straits Settlements and Federated Malay States
- LOUISE ANNA NELSON, of Washington, Ph.B. University of Colorado, 1903, A.M. Columbia University 1915. Psychology, Zoology, Animal Physiology
Variations in Development and Motor Control in Goiterous and Non-Goiterous Adolescent Girls
- BOYD CRUMRINE PATTERSON, of Pennsylvania, A.B. Washington and Jefferson College 1923, A.M. Johns Hopkins University 1925. Mathematics, Applied Mathematics, Geophysics
The Algebraic and Differential Invariants of Inversive Geometry
- ALBERT HENRY POETKER, of Missouri, A.B. St. Xavier College 1907, A.M. St. Louis University 1914. Physics, Applied Mathematics, Mathematics
The Infra-Red Radiation of Hydrogen

J. LEON SHERESHEFSKY, of Pennsylvania, S.B. in Chemistry University of Pittsburgh 1923. Chemistry, Physical Chemistry, Mathematics

Study of the Vapor Pressures in Small Capillaries

QUENTIN DREYER SINGEWALD, of Maryland, A.B. Johns Hopkins University 1922. Geology, Economic Geology, Zoology

Igneous Rocks from the Andes of Central Peru

GEORGE WASHINGTON SPICER, of Virginia, A.B. Randolph-Macon College 1920. Political Science, History, Political Economy

Constitutional Status and Government of Alaska

ETHEL MAY STALEY, of Maryland, A.B. Goncher College 1911. French, Italian, Spanish

George Sand and Jean-Jacques Rousseau

ELMER GEORGE SUHR, of New York, A.B. Wittenberg College 1923, A.M. Johns Hopkins University 1925. Classical Archaeology, Greek, Ancient History

Sculptured Portraits of Greek Statesmen

MERLE ANTONY TUVE, of Minnesota, S.B. University of Minnesota 1922, A.M. 1923. Physics, Physical Chemistry, Mathematics

An Experimental Study of the Conducting Layer Situated in the Upper Atmosphere

ENRIQUE TOPACIO VIRATA, of the Philippine Islands, A.B. University of the Philippines 1919, S.B. Harvard University 1924, A.M. 1925. Mathematics, Applied Mathematics, Geophysics

W-Surfaces Which Have an Isometric Spherical Representation of their Lines of Curvature

PAUL SMITH WAGNER, of Pennsylvania, A.B. Lebanon Valley College 1917, A.M. Johns Hopkins University 1925. Mathematics, Applied Mathematics, Geophysics
An Extension of Clifford's Chain

EMMA ETTMUELLER WALTERS, of Missouri, A.B. and S.B. in Education University of Missouri 1915, A.M. 1918. Germanic Philology, German Literature, Sanskrit

The Inflection of the Indo-European Words of Relationship in Germanic

CALVIN NORWOOD WARFIELD, of Maryland, B.E. Johns Hopkins University 1923, A.M. 1925. Physics, Applied Mathematics, Mathematics

Iodine Resonance Spectra Excited by $\lambda 5792.3$

HERBERT FINIS WEIDE, of Pennsylvania, B.M. and S.B. Westminster College 1923, A.M. Oberlin College 1924. Chemistry, Physical Chemistry, Mathematics

A New Experimental Method for the Study of Gaseous Effusion

CLODIUS HARRIS WILLIS, of Virginia, S.B. Richmond College 1914, S.B. in Engineering Johns Hopkins University 1916. Electrical Engineering, Physics, Mathematics

Space Charge and Current in Alternating Corona

JAMES DEAN WILSON, of Michigan, S.B. Michigan State College 1922. Plant Physiology, Botany, Paleobotany

The Measurement and Interpretation of the Water-Supplying Power of Soils as Related to Lawn Grasses and Certain Other Plants

WILLIAM KIRK WOOLERY, of West Virginia, A.B. Bethany College 1908, B.Ped. 1909, A.M. University of California 1915. History, Political Science, Political Economy

The Relation of Thomas Jefferson to American Foreign Policy 1783-1793 (47)

DOCTORS OF PUBLIC HEALTH

WITH TITLES OF ESSAYS

HERACLIDES CESAR DE SOUZA ARAUJO, of Brazil, M.D. Faculty of Medicine Rio Janeiro 1915

The Control of Venereal Diseases in the United States in 1925

JOHN DONAL CARROLL, of Ireland, S.B. University College (Dublin) 1912, M.D. 1913, D.P.H. 1920

Health Supervision of School Children in a City of 100,000 Population

JOHN ROSSLYN EARP, of England, A.M. University of Cambridge 1913, L.R.C.P. London, M.R.C.S. England 1917

The Student Who Smokes

FRANCIS EMIL GESSNER, of Connecticut, M.D. Yale University 1912, Major, M.C., U.S.A.

The United States Army Ration

EDWARD SAMUEL GODLIEB, of Ceylon, L.M.S. Ceylon Medical College 1910, L.R.C.P.S. and L.R.F.P.S. University of Edinburgh 1921

Infant Mortality and Child Hygiene

EDER JANSEN DE MELLO, of Brazil, Sc.B. e Lett. Anchieta College 1909, M.D. Faculty of Medicine Rio Janeiro 1915

A Comparative Study of the Duration of Illness in Acutely Fatal Cases of Tuberculosis in Two Race Groups

EDWARD GARRIDO MORALES, of Porto Rico, M.D. Medical College of Virginia 1924

A Study of the Association of Typhoid Fever in Knox-

ville, Tennessee, with Various Water Supplies and Methods of Excreta Disposal

GUILLERMO GARCIA DE PAREDES, of Panama, M.D. Long Island College Hospital 1918

Some Observations Regarding the Effect of Various Temperatures on the Development of the Hookworm Eggs

LUANG BANCHONG PAYABAL, of Siam, Grad. in Medicine Chulalongkorn University 1915

The Distribution of Toxic Anaerobes in the Soil of Maryland with Special Reference to *Bacillus Botulinus* and *Bacillus Tetani*

GEORGE HERBERT RAMSEY, of Michigan, A.B. Rutgers College 1913, M.D. Columbia University 1917, C.P.H. Johns Hopkins University 1925

A Study of the Minor Respiratory Affections in 301 Families During the Year 1924

RICHARD MORELAND TAYLOR, of Kentucky, M.D. University of Michigan 1910

A Preliminary Survey and Recommendations for Control of Malaria in Costa Rica

LUANG VAIDAYA VIDHIKAR, of Siam, Grad. in Medicine Chulalongkorn University 1916

Observations on the Problem of Standard Hookworm Cultures (12)

DOCTORS OF SCIENCE IN HYGIENE

WITH TITLES OF DISSERTATIONS

- HOWARD BANCROFT ANDERVONT, of Ohio, S.B. Mount Union College 1923. Filterable Viruses
The Relationship of the Epithelioma Contagiosum Virus of Fowls to the Vaccine Virus
- JUSTIN MEREDITH ANDREWS, of Connecticut, Ph.B. Brown University 1923. Medical Zoology
Host-parasite Relationships in Coccidiosis of Mammals
- EMIL BOGOMIR CEKADA, of Washington, S.B. University of Washington 1923. Physiological Hygiene
The Preparation and Properties of Prothrombin
- LILLIAN CROMBIE BURROUGHS DAVIS, of Maryland, A.B. Goucher College 1917. Chemical Hygiene
Disposal of Dairy Wastes
- ERNEST HARTMAN, of Kansas, S.B. Kansas State Agricultural College 1922, S.M. 1924. Medical Zoology
Certain Interrelations between Plasmodium Avium and its Host
- PERSIS PUTNAM, of Illinois, A.B. Smith College 1911. Statistics
Sex Differences in Pulmonary Tuberculosis Deaths
- ELIZABETH CARPENTER TANDY, of Indiana, Ph.B. University of Chicago 1915, A.M. Columbia University 1921. Statistics
Time Changes in Biologically Classified Mortality Rates
- FRANCIS MARION WALTERS, of Missouri, A.B. Indiana University 1887, A.M. 1891. Physiological Hygiene
Effects of Carbon Monoxide Poisoning upon Metabolism
- LOIS EMILY WITHAM, of Kansas, S.B. Kansas State Agricultural College 1916, S.M. 1918. Chemical Hygiene
Some Studies on the Chemical Nature of Vitamin B and a Comparative Study of the Vitamin B Requirements of Rats and Pigeons (9)

DOCTORS OF MEDICINE

- JAMES LIONEL ALLOWAY, of Ohio, A.B. Ohio State University 1922
- DOROTHY HANSINE ANDERSEN, of New York, A.B. Mt. Holyoke College 1922
- AUBREY W. ARMENTROUT, of Virginia, A.B. University of Kentucky 1922
- ALPHONS EUGENE BACHHUBER, of Wisconsin, A.B. University of Wisconsin 1923
- JACOB TRAVIS BENNETT, of Texas, A.B. University of Texas 1922
- ARTHUR PROCTOR BLACK, of Vermont, A.B. Amherst College 1921
- SAMUEL SHIRLEY BLACKMAN, JR., of Tennessee, A.B. Vanderbilt University 1922
- BENSON BLOOM, of Maryland, A.B. Johns Hopkins University 1922
- ROBERT MARION COTHMAN, of South Carolina, A.B. Presbyterian College of South Carolina 1922
- CHARLES EDGAR CREEL, of Alabama, S.B. University of Alabama 1922
- LEMUEL WHITLEY DIGGS, of Virginia, A.B. Randolph-Macon College 1921, A.M. 1922
- JOHN WARNER DUCKETT, of Texas, A.B. University of Texas 1922
- HARRISON SALES FORGRAVE, JR., of Missouri, A.B. Johns Hopkins University 1922
- CHALMERS LAUGHLIN GEMMILL, of Pennsylvania, S.B. Lafayette College 1922
- CLARA REGINA GROSS, of Maryland, A.B. Goucher College 1920
- RUSSELL CLARK GROVE, of Virginia, A.B. Roanoke College 1922
- WILLIAM ADAMS GUNTER, III, of Alabama, S.B. University of Alabama 1922
- ROBERT KENNETH GUSTAFSON, of Connecticut, Ph.B. Yale University 1912
- SEALE HARRIS, JR., of Alabama, S.B. University of Alabama 1924
- EDMUND PENDLETON HUNTER HARRISON, JR., of Maryland, A.B. Princeton University 1922
- EDWARD CALISCH HELD, of Virginia, S.B. University of Richmond 1924
- DUNCAN CHARTERIS HETHERINGTON, of Colorado, A.B. Colorado College 1919, A.M. University of Illinois 1920, Ph.D. 1922
- GEORGE ADOLPH HILLEMANN, of Pennsylvania, S.B. Haverford College 1922
- JOHN VERNON HOPKINS, of Colorado, A.B. Oxford University 1923
- DAVID GRANVILLE HUMPHREYS, of Florida, A.B. Washington and Lee University 1922
- OLAN R. HYNDMAN, of Texas, S.B. Rice Institute 1921
- SAMUEL HAROLD IMBODEN, of Pennsylvania, S.B. Franklin and Marshall College 1921
- CHRISTOPHER JOHNSTON, of Maryland, A.B. Johns Hopkins University 1922
- PAUL NUGENT JOHNSTONE, of Missouri, A.B. University of Missouri 1922
- EDMUND BREDOW KELLY, of Maryland, A.B. Princeton University 1921
- SANDER EDWIN LACHMAN, of Maryland, A.B. Johns Hopkins University 1921
- ALBERT HENRY LAHMANN, of Wisconsin, A.B. University of Wisconsin 1923
- FRANCIS HOWARD LANGLEY, of Florida, A.B. Ohio Wesleyan University 1922
- WILLIAM ABNER LINTHICUM, of Maryland, A.B. Randolph-Macon College 1922

- RUTH LOVELAND, of New Jersey, A.B. Wellesley College 1920
- DOROTHY LUCILLE LOYNES, of Massachusetts, A.B. Brown University 1921
- DONALD HECTOR MACDONALD, of Maryland, A.B. Johns Hopkins University 1922
- JACOB HOLT MCCrackEN, JR., of New York, A.B. Trinity College (N. C.) 1922
- LUCIUS EMMETT MADDEN, of South Carolina, S.B. Clemson Agricultural College 1922
- HOUSTON H. MERRITT, JR., of North Carolina, A.B. Vanderbilt University 1922
- MORRIS MYERS, of Maryland, A.B. Johns Hopkins University 1922
- JAMES CLAGGETT OWINGS, of Maryland, A.B. St. John's College 1922
- THOMAS MYERS PALMER, of Florida, S.B. University of Florida 1919, A.B. University of Oxford 1923
- ERIC HOWARD PATTISON, of New York, A.B. Williams College 1922
- JULIAN PLEASANTS PRICE, of China, A.B. and A.M. Davidson College 1922
- LEWIS CHARLES PUSCH, of Ohio, A.B. Johns Hopkins University 1921
- HOWELL SHEPPARD RANDOLPH, of Wisconsin, A.B. Milton College 1920, A.M. University of Wisconsin 1924
- JACOB RAVIDOWITZ, of Palestine, A.B. Johns Hopkins University 1922
- BENJAMIN RONES, of Maryland, A.B. Johns Hopkins University 1922
- EDMUND WILLIAM SCHACHT, of Wisconsin, S.B. Beloit College 1922
- FREDERICK WILLIAM SCHACHT, of Wisconsin, S.B. Beloit College 1922
- MERRIWELL TIECHE SHELTON, of Virginia, A.B. Trinity College (N. C.) 1922
- HENRY CORNELIUS SMITH, of New York, S.B. Hamilton College 1922
- RANDOLPH TUCKER SMITH, of Arkansas, A.B. Washington and Lee University 1920
- LAWRENCE WILLIS SMITH, of Ohio, A.B. Marietta College 1922
- JESSE SAMUEL SPANGLER, of Maryland, A.B. Franklin and Marshall College 1922
- JOSEPH P. SPARKS, of Illinois, A.B. Johns Hopkins University 1922
- RAYMOND ROSCOE SQUIER, of Colorado, A.B. University of Colorado 1922
- WILLIAM KURTZ STOWERS, of Mississippi, S.B. Mississippi Agricultural and Mechanical College 1922
- MARGARET SWIGART, of Maryland, A.B. Goucher College 1922
- ELMER JAY TEAGARDEN, JR., of Maryland, Ph.B. Yale University 1920
- ISAAC RIDGEWAY TRIMBLE, of Maryland, A.B. Princeton University 1922
- HENRY BROWN TURNER, of New York, A.B. Princeton University 1920
- CHARLES RAYMOND WILCOX, of Iowa, S.B. Northwestern University 1921, M.S. 1922
- ROBERT ERMON WILSON, of Mississippi, A.B. Vanderbilt University 1916
- LAWRENCE FOSS WOOLLEY, of Utah, A.B. University of Utah 1922
- STANLEY WORDEN, of Maryland, A.B. Johns Hopkins University 1922

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RECIPIENTS OF THE WILLIAM HENRY HOWELL AWARD

JAMES BORDLEY, III, of Maryland

BENJAMIN MAY BAKER, JR., of Virginia

MUSIC

The program is under the direction of Edwin L. Turnbull (A.B. '93) and will be presented by The Johns Hopkins Orchestra, Charles H. Bochau, *Conductor*.

The orchestra was founded in 1919 by the Johns Hopkins Musical Association and the officers are E. L. Turnbull, *President*; F. H. Gottlieb, *Vice-President*; Frank Morley, *Secretary*; J. B. Whitehead, *Treasurer*; F. C. Smith, *Executive Secretary*; Miss Anne Kinsolving, *Assistant Secretary*. The orchestra has a membership of about eighty, most of whom are amateurs, and some professionals assist at concerts. Fifty-two symphony concerts have been given and the orchestra has played on fourteen occasions for public exercises of the University. In the nine public appearances of last season, the audiences reached a total of approximately 15,000, including patients in the hospitals, and many music lovers who are unable to pay for tickets to professional symphony concerts.

OTHER PUBLIC APPEARANCES OF THE ORCHESTRA THIS SEASON:

- January 17th—4 p. m. Concert, Baltimore Museum of Art.
- February 4th—8 p. m. Sidney Lanier Commemoration under the auspices of the Johns Hopkins University, at the Peabody Institute.
- February 22nd—10.45 a. m. Johns Hopkins University Commemoration Day Exercises, at the Peabody Institute.
- March 28th—4 p. m. Concert, Church Home and Infirmary.
- May 18th—8.30 p. m. Concert, War Memorial Auditorium.
- May 30th—4 p. m. Concert, Johns Hopkins Hospital.
- June 6th—8.30 p. m. Concert, Homewood Campus.
- June 8th—3.45 p. m. Johns Hopkins University Commencement Exercises at the Lyric.